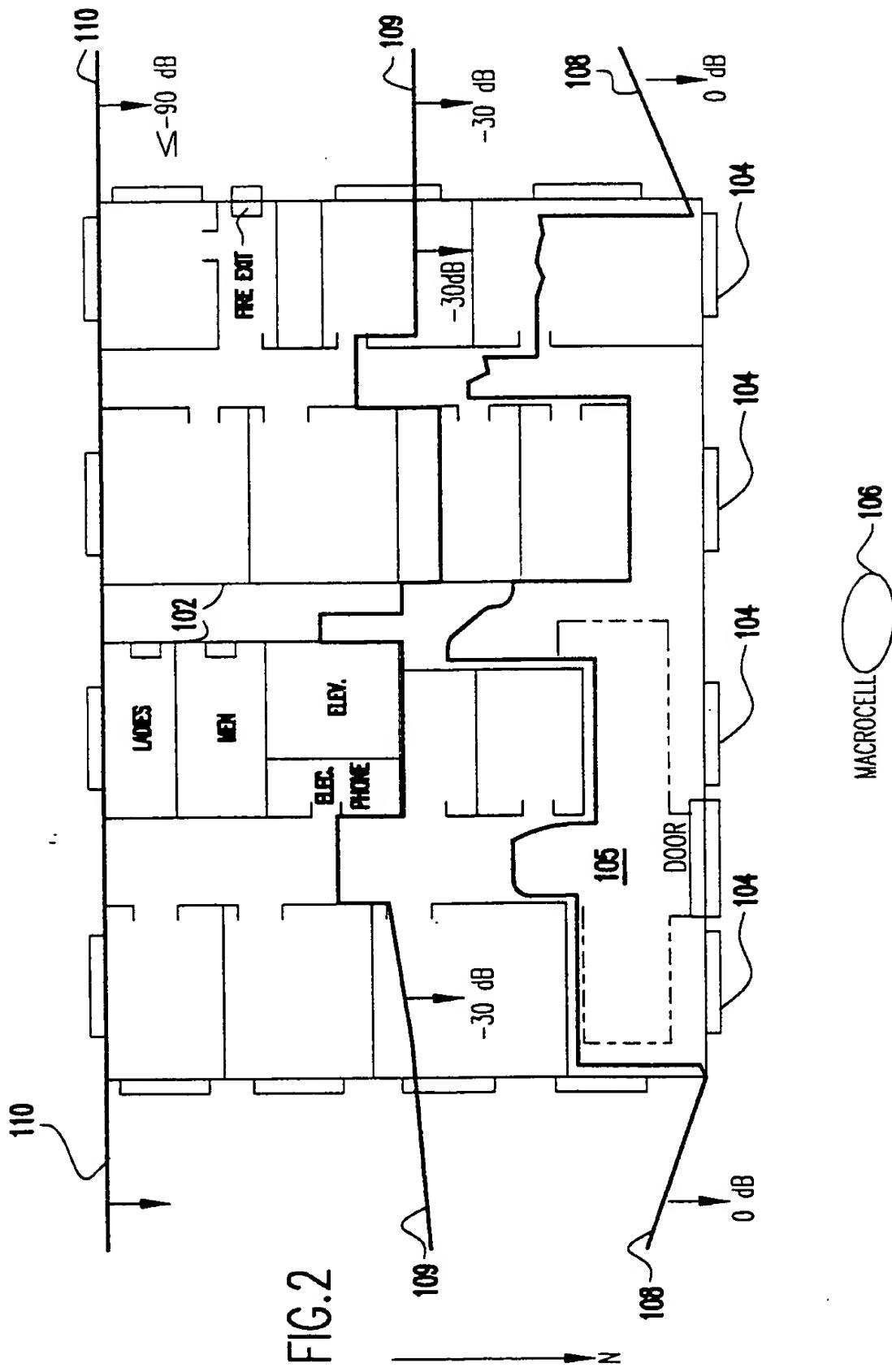


FIG. 1



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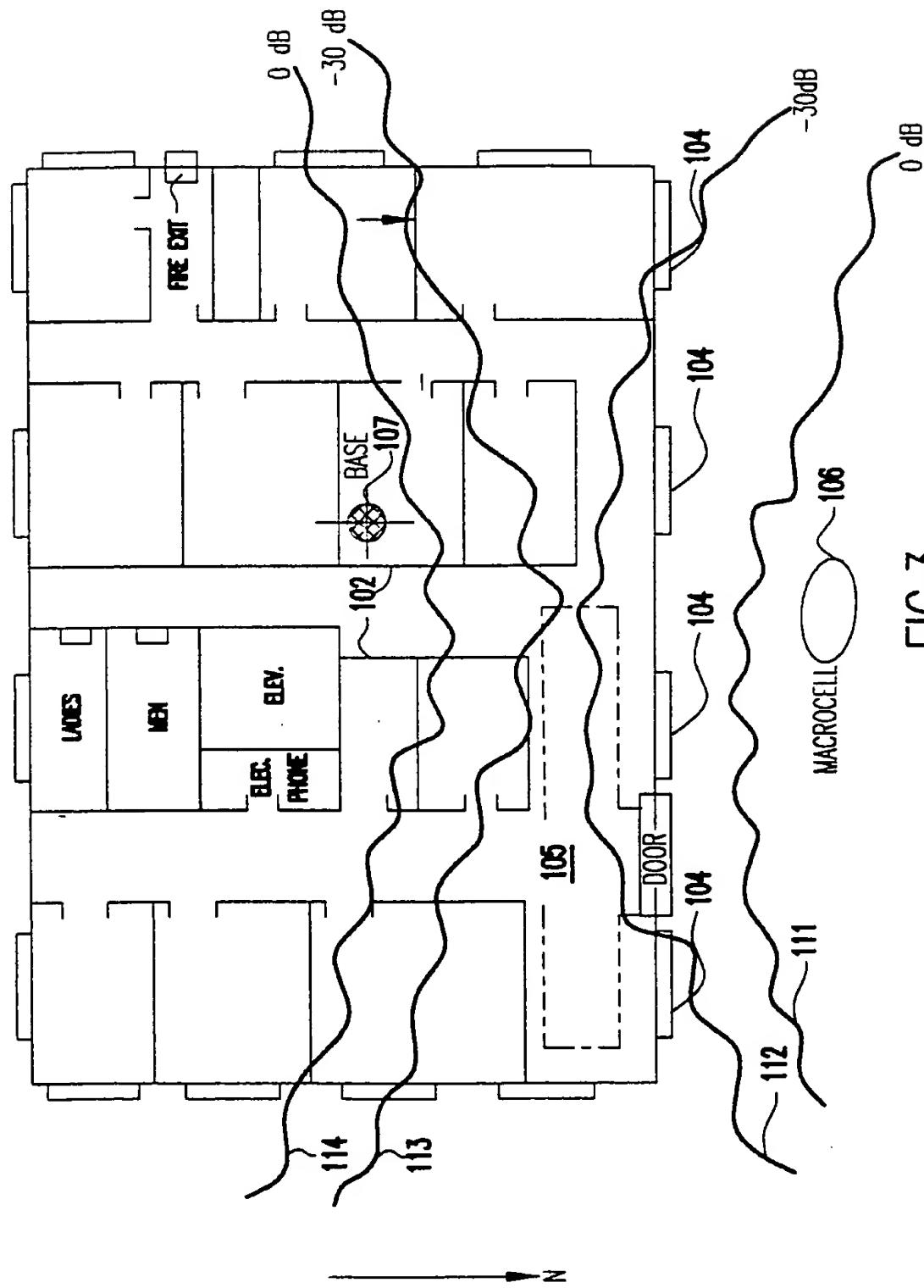


FIG.3

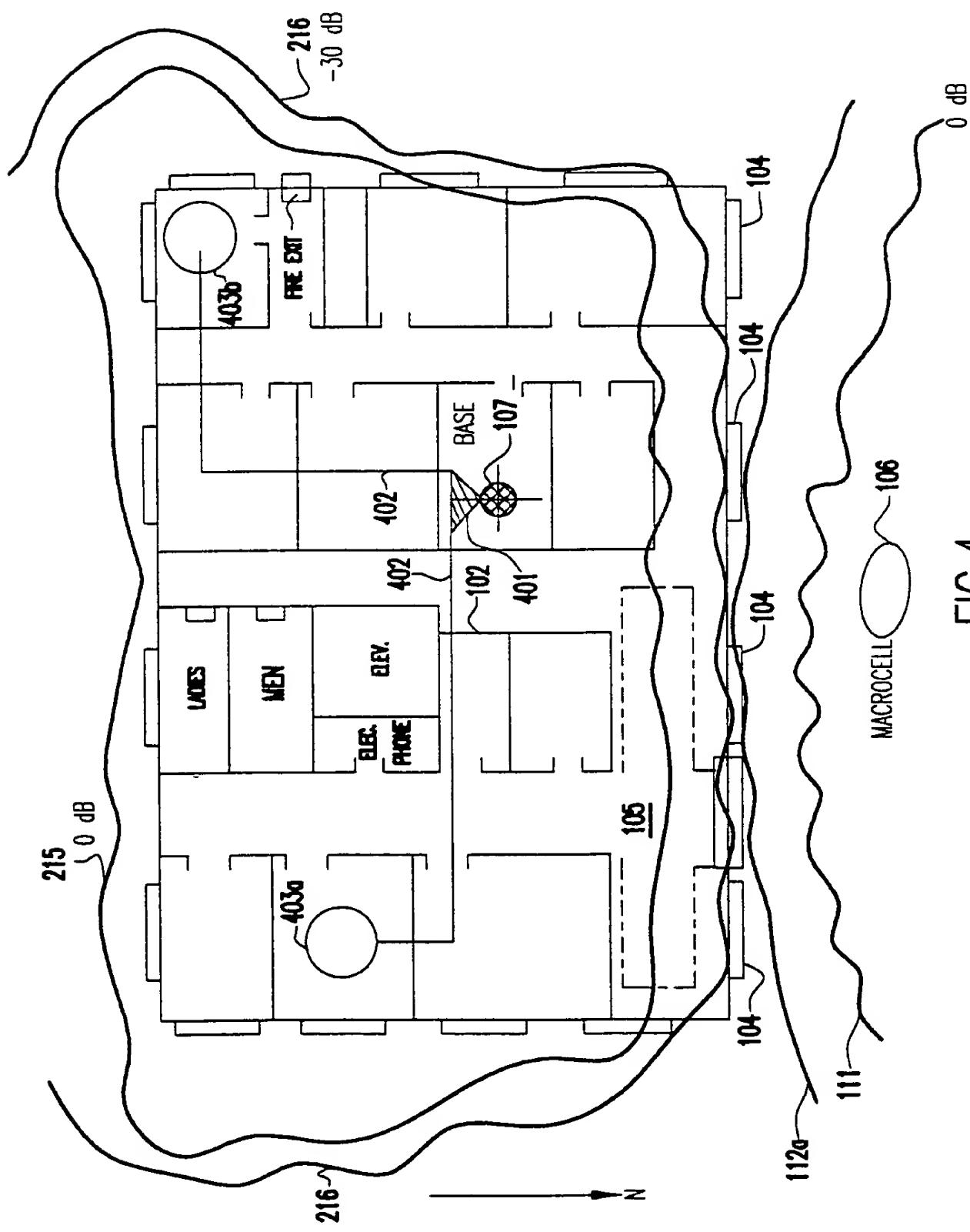
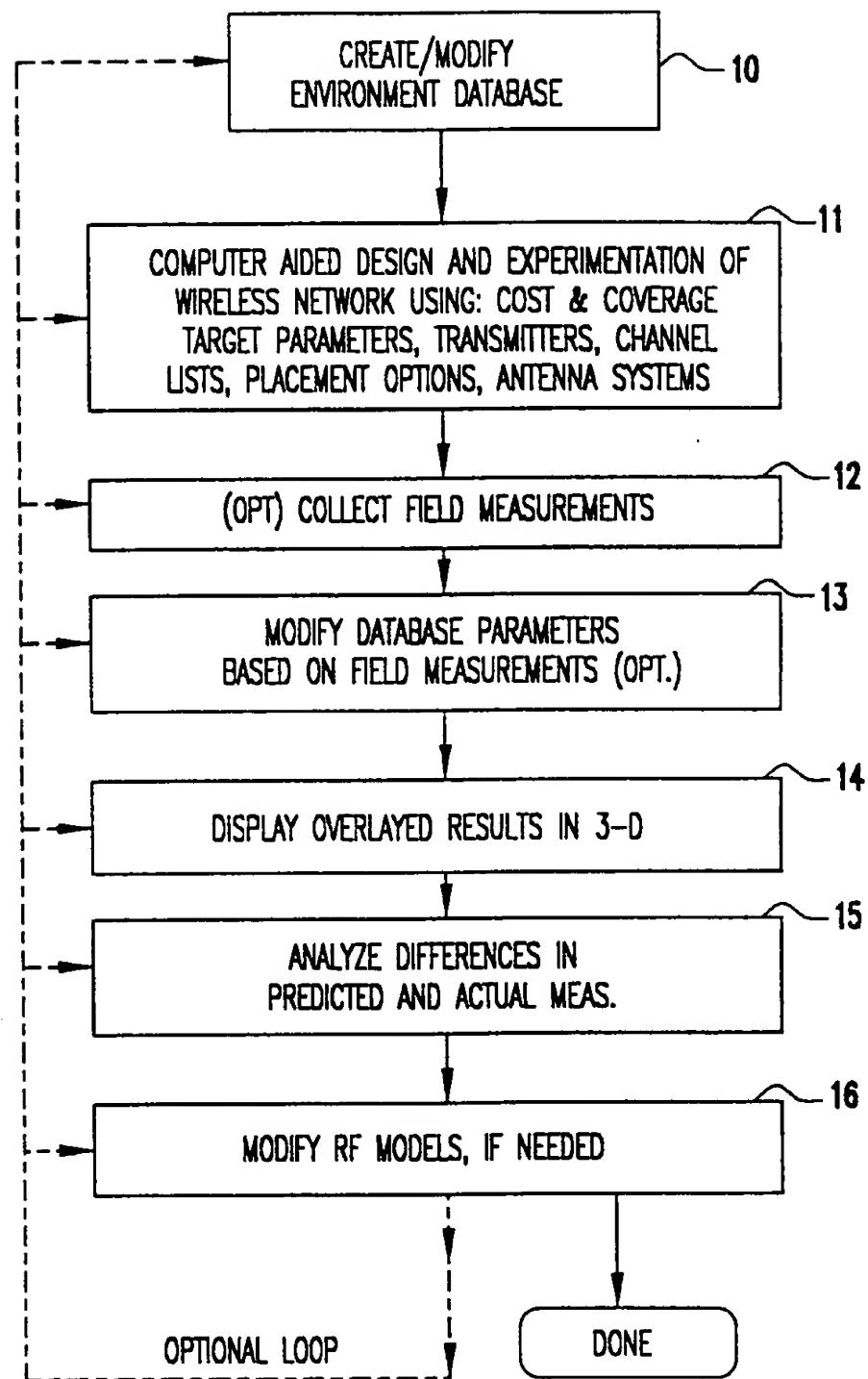


FIG. 4



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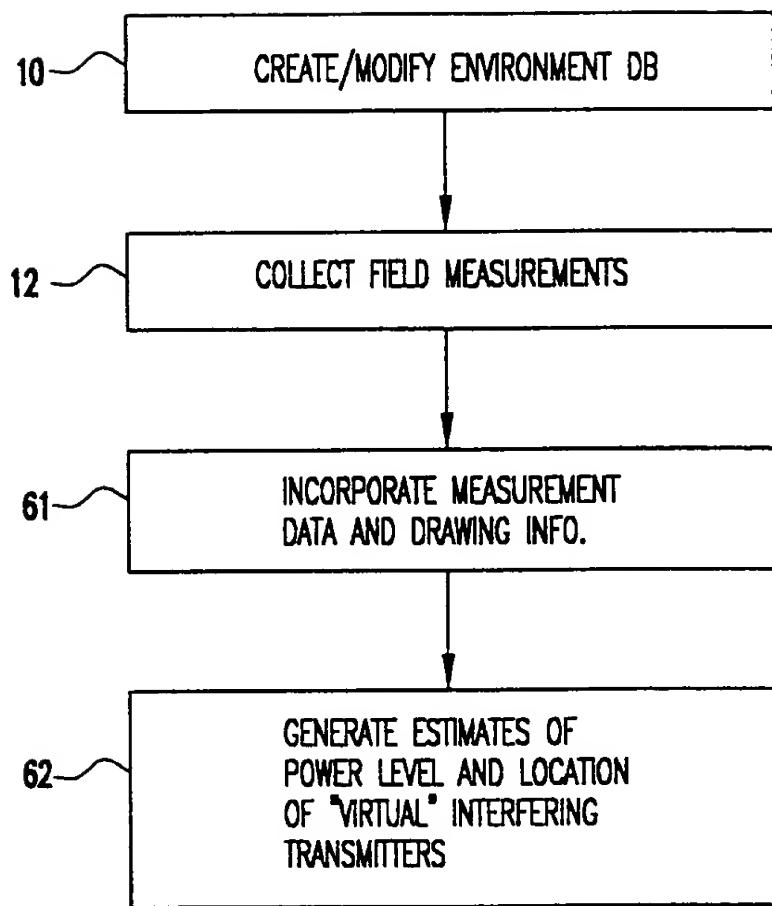


FIG.6

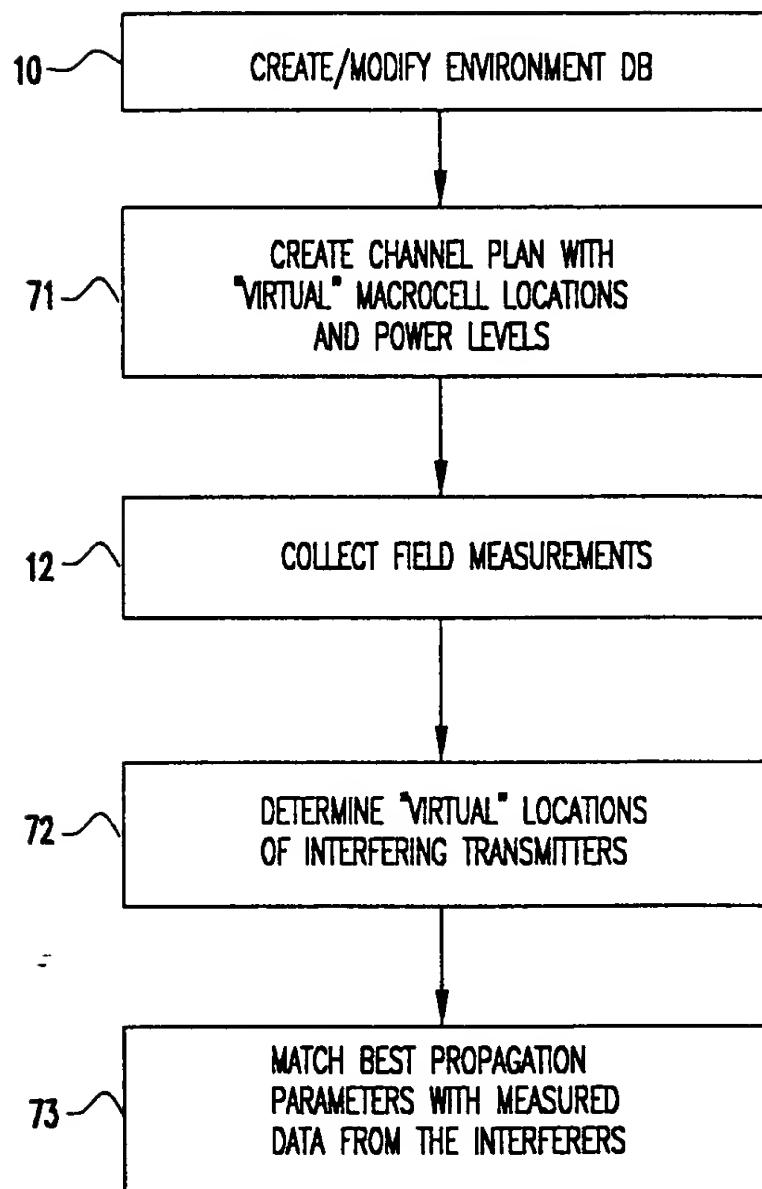


FIG.7

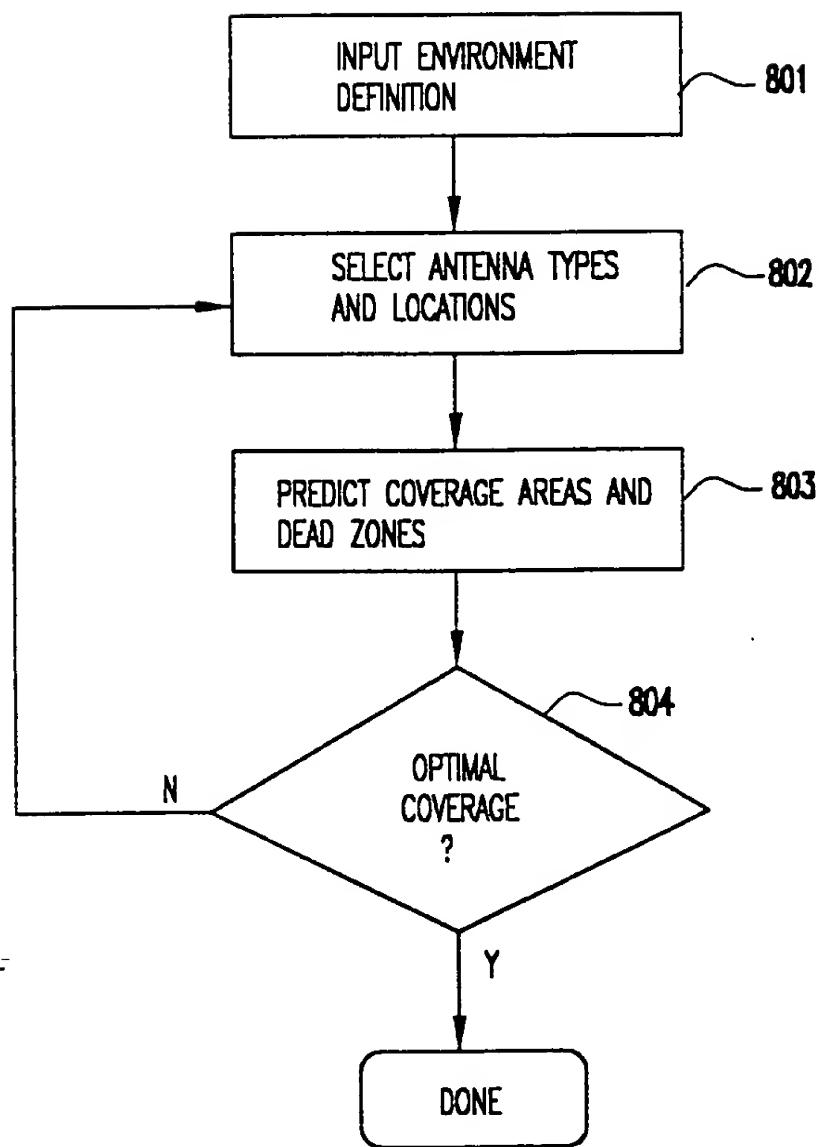


FIG.8

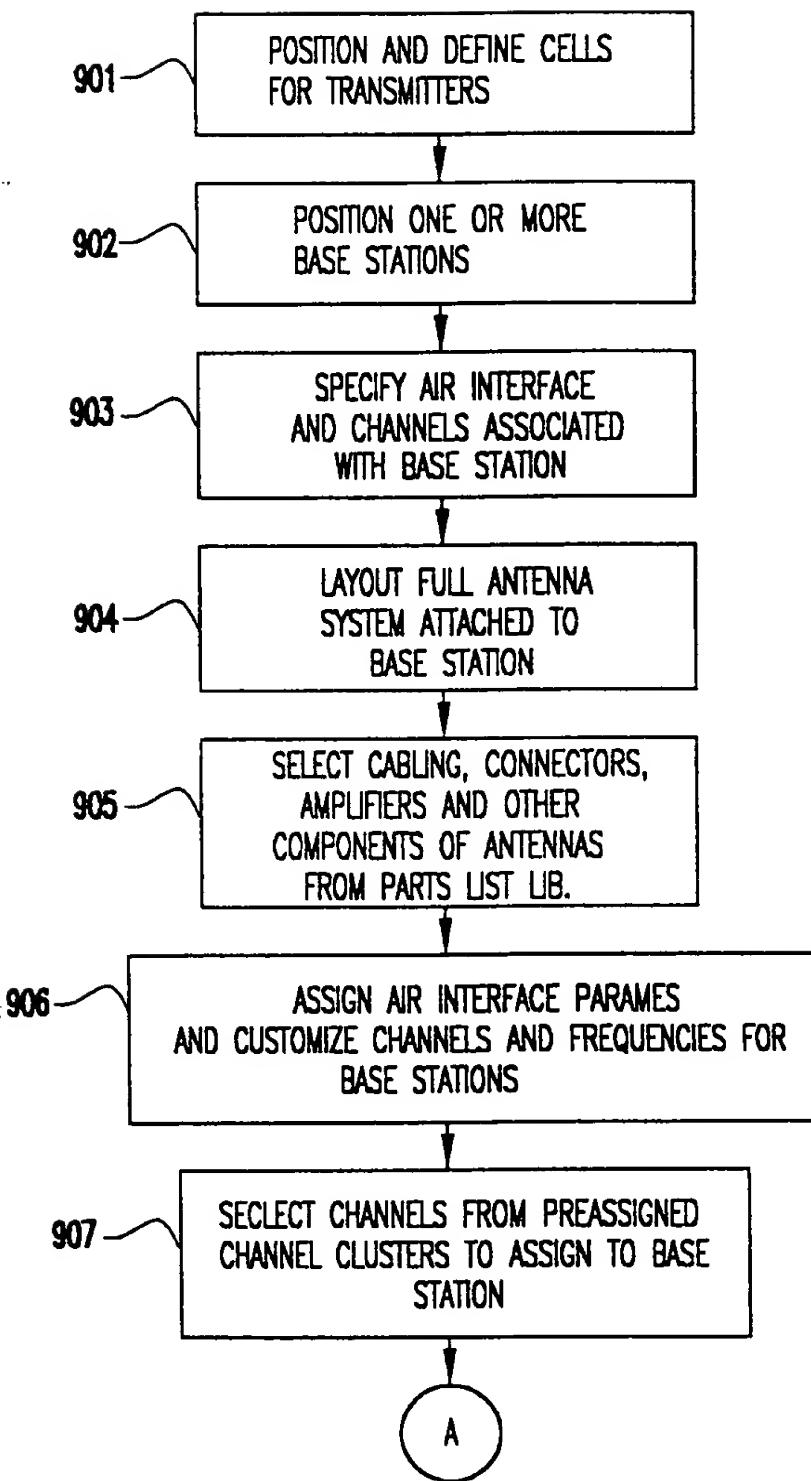


FIG.9A

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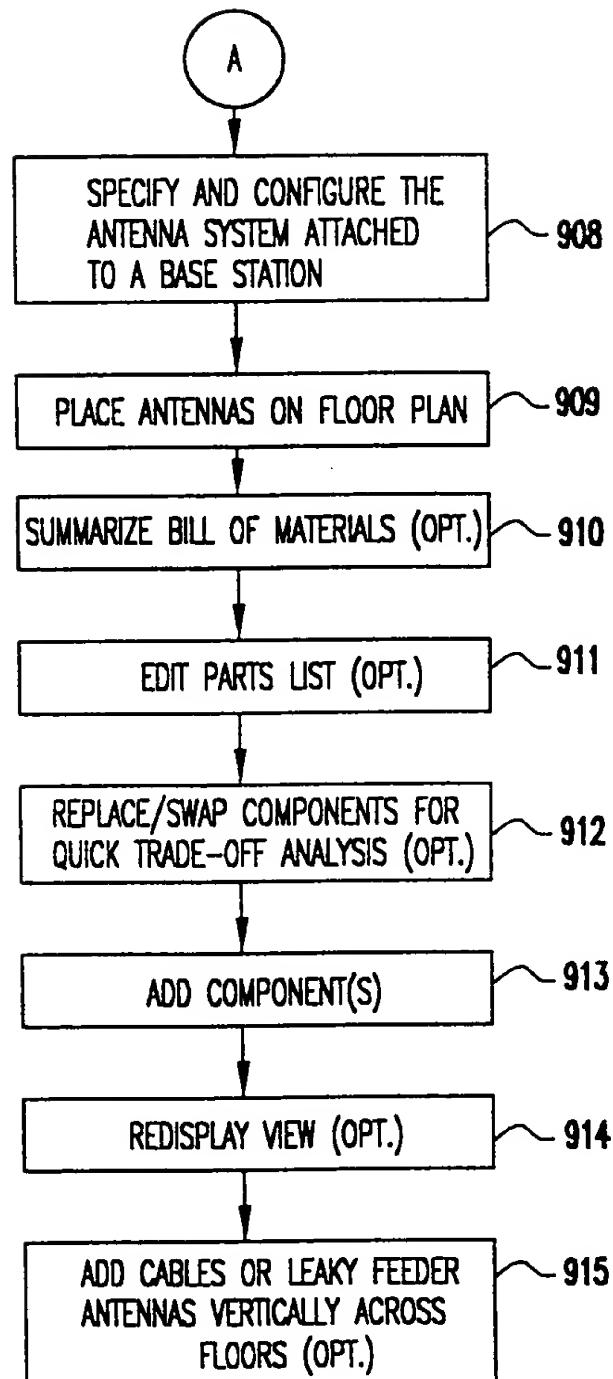


FIG.9B

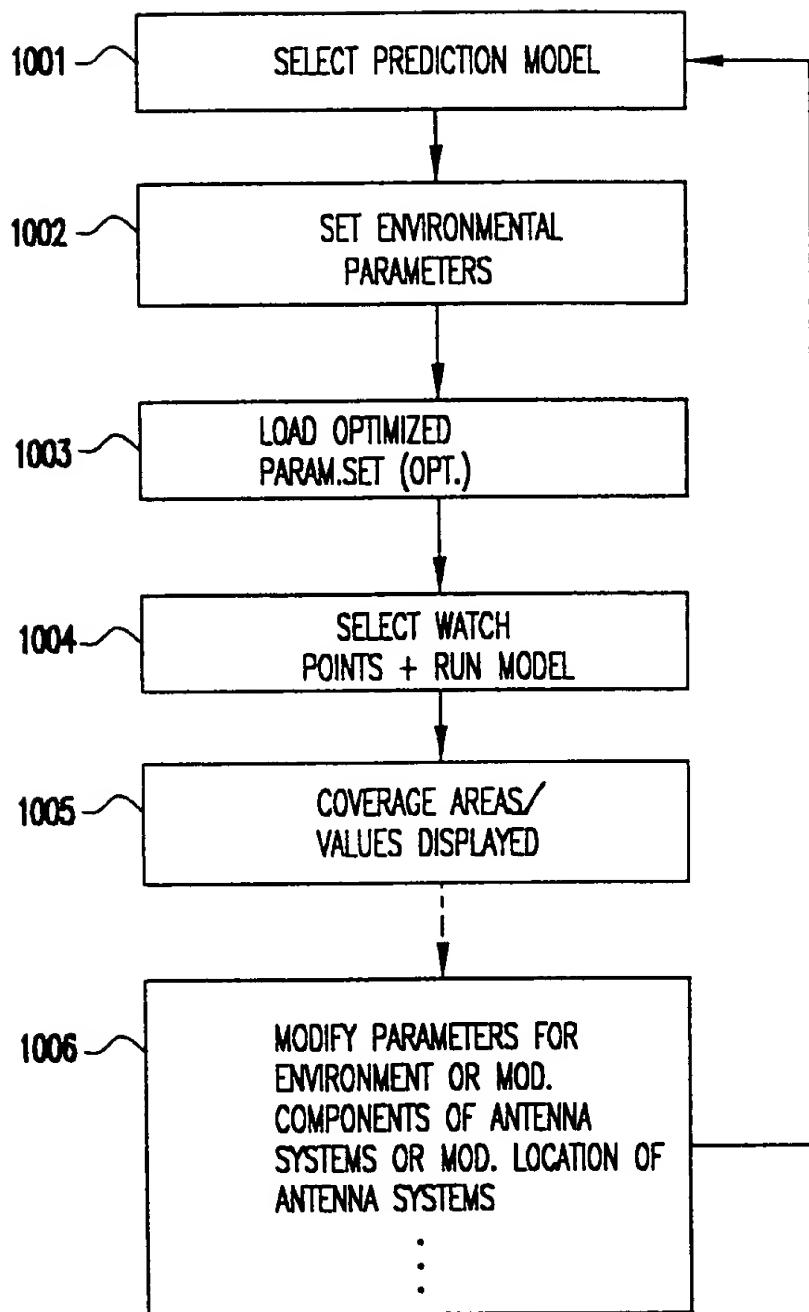


FIG.10

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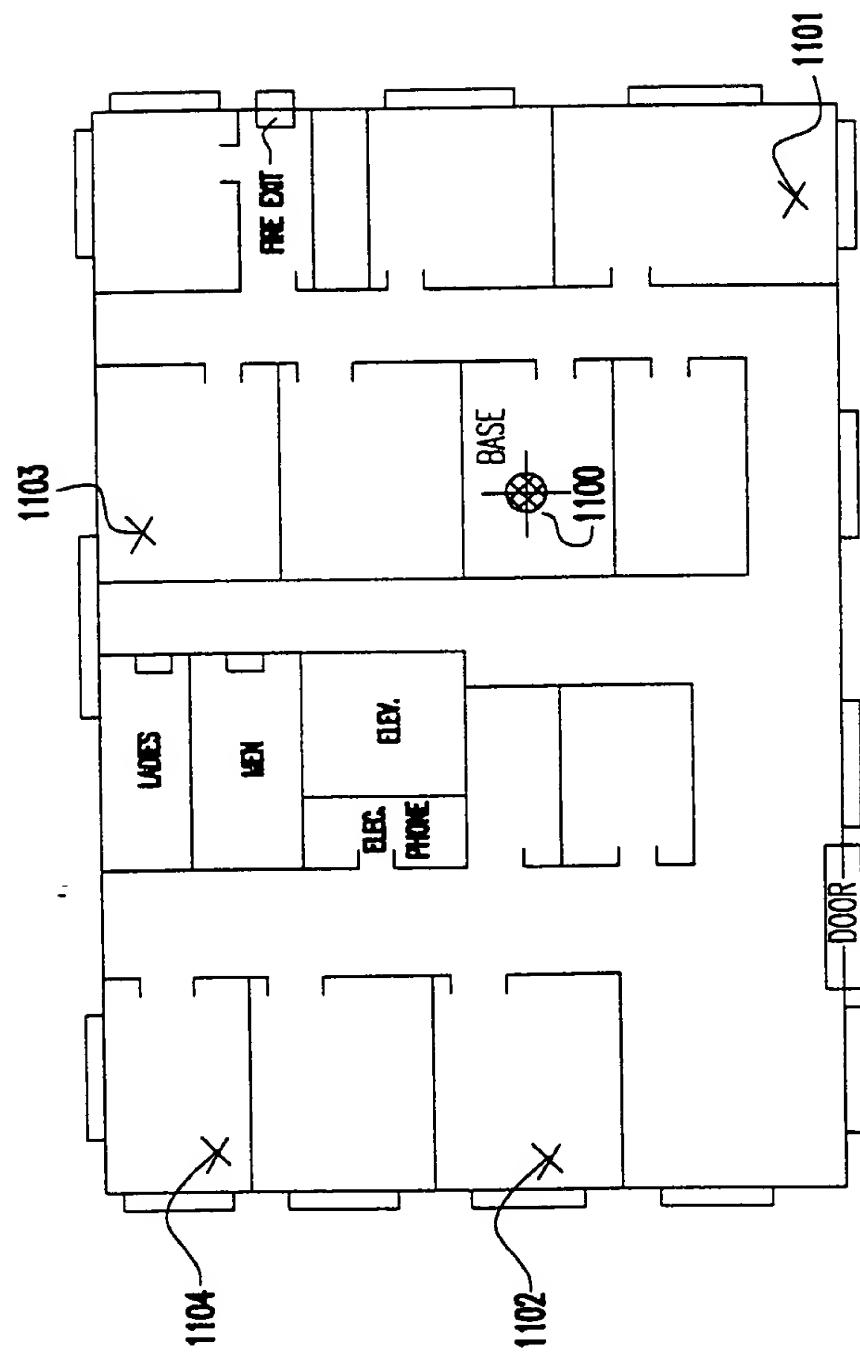


FIG. 1

Antenna Position Mode Prediction Control

CDMA1 AllenTel dB omni PCN 1850-1990 360Deg 6.00 dB Gain

Watch Points

1-Floor1, 67.71, 3.83, 1.80
2-Floor1, 54.11, 25.25, 1.80
3-Floor 1, 33.67, 24.34, 1.80
4-Floor1, 33.46, 8.05, 1.80

Add Watch Point Remove Watch Point

Floor 1

Mobile Receiver Parameters

Predict

RSSI SIR SNR

Antenna Positioning Options

Left Click on Location Track Mouse Movement

OK Cancel

FIG.12

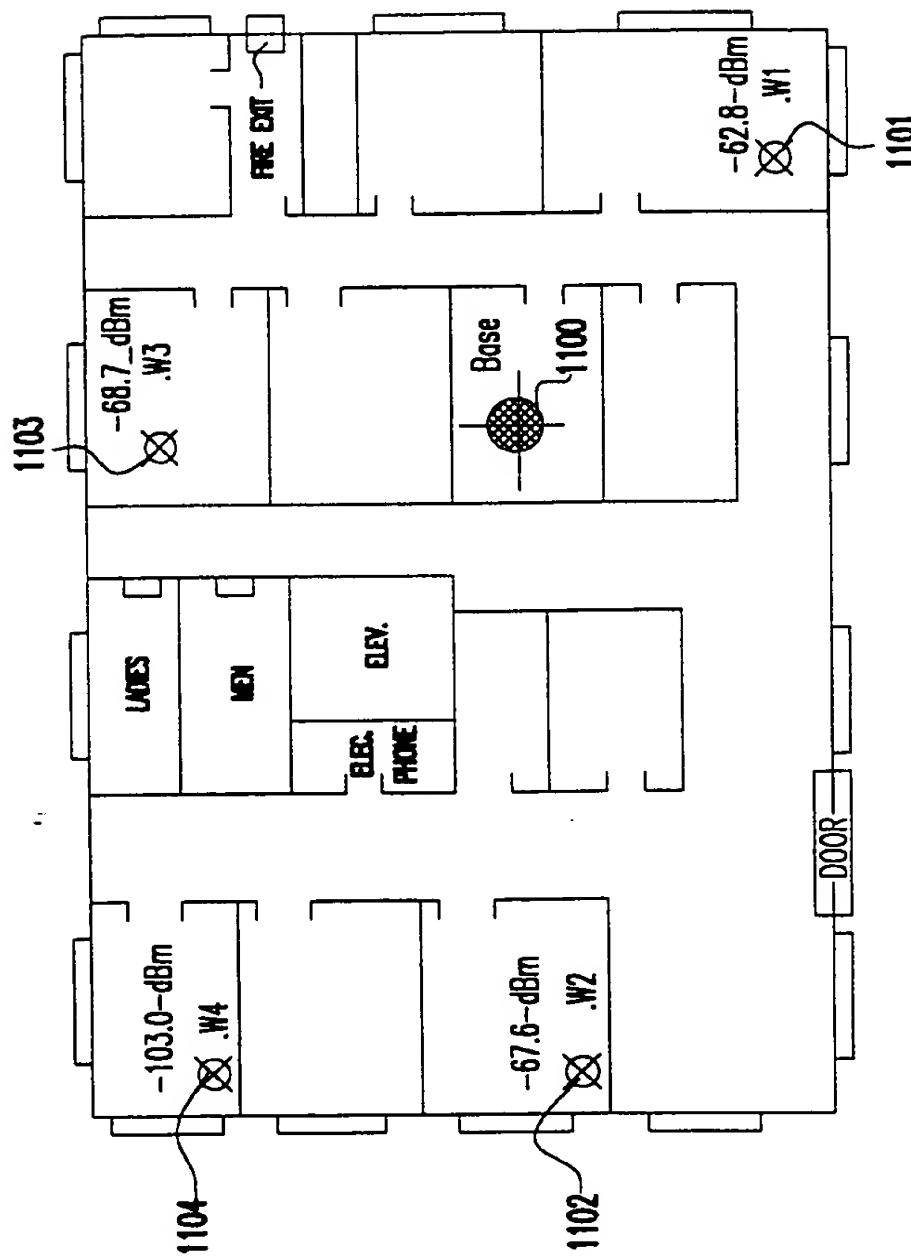


FIG.13

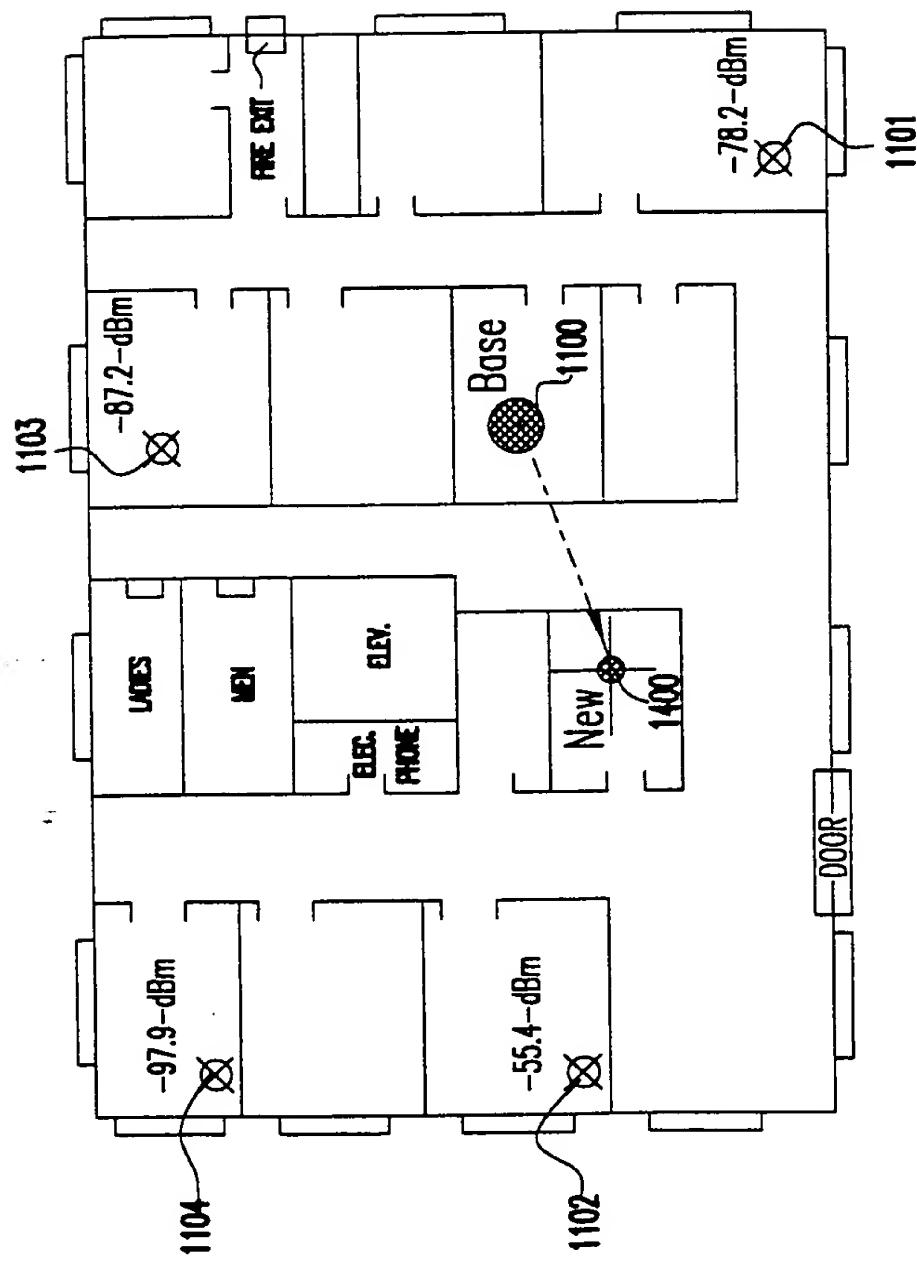


FIG. 14

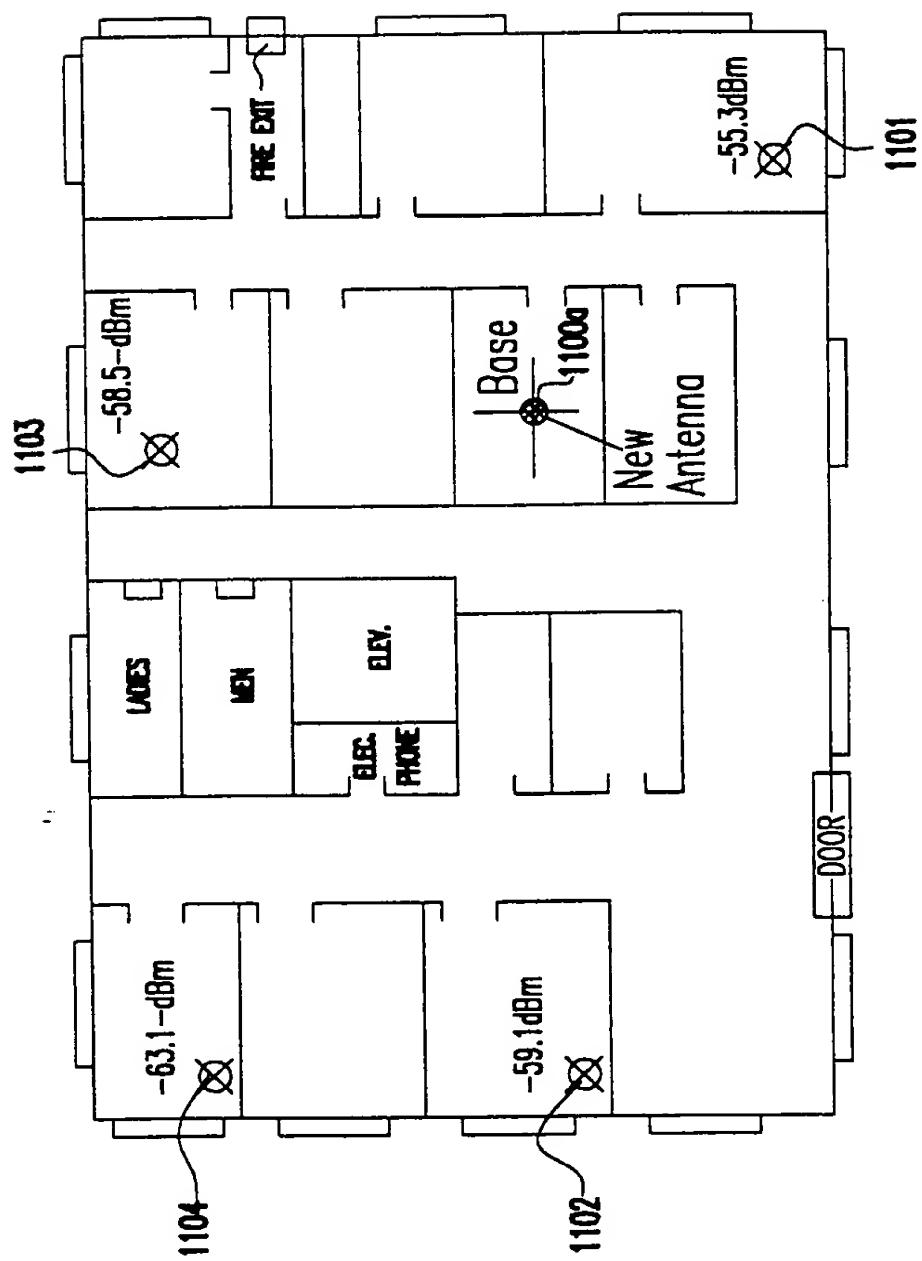


FIG. 15

Bill of Materials for Current Drawing



1610

SUBTOTAL (excluding base station CDMA1): \$0.00

BASE STATION: MACROCELL

DESCRIPTION: CDMA MACROCELL

FLOOR1

POSITION: 84.3, 44.0, 1.8

CHANNEL SET: MACROCELL: IS-95A CDMA Default

SUBCHANNEL SET: Default Channel Set

TXPOWER: 10.00 dBm

RF Bandwidth: 1.25 MHz

RECEIVER NOISE FIGURE: 0.00 dB

CHANNELS ASSIGNED TO BASE STATION

1

1611

--NAME: AllenTel PCN PANEL 1710-1990 92 Deg 9.00 dB Gain

TYPE: ANTENNA_POINT

MANUFACTURER: Allen Telecom

PART NUMBER: DB972 1850

FREQUENCY: 1710-1990 MHz

PATTERN FILE: 972_185.ant

FLOOR1

POSITION: 84.3, 44.0, 1.8

COST: \$0.00 ~ 1612

SUBTOTAL (excluding base station MACROCELL): \$0.00 ~ 1613

TOTAL COST(excluding base stations): \$0.00 ~ 1614

Save to ASCII File

ok

Bill of Materials for Current Drawing X

1611	<p>TYPE: ANTENNA_POINT MANUFACTURER: Allen Telecom PART NUMBER: DB972 1850 FREQUENCY: 1710-1990 MHz PATTERN FILE: 972_185.ant FLOOR1 POSITION 84.3, 44.0, 1.8 COST: \$250.00 1612a</p>
1720	<p>—NAME: 7/8", 50-ohm Foam Dielectric Coaxial Cable TYPE: CABLE MANUFACTURER: Andrew PART NUMBER: LDF5* FREQUENCY: 2000MHz LENGTH: 120.41 m (395.06ft) LOSS PER 100 m: 6.46 dB TOTAL LOSS: 7.78 dB POSITION: Vertex0: 10.6, 0.8, 1.8 Vertex1: 1.7, 2.8, 1.8 Vertex2: 1.7, 31.0, 1.8 Vertex3: 35.3, 31.0, 1.8 Vertex4: 35.3, 23.5, 1.8 Vertex5: 65.4, 23.6, 1.8 Vertex6: 72.6, 32.0, 1.8 COST: \$85.00 1721</p>
SUBTOTAL(excluding base station MACROCELL): \$470.00 1613a	
TOTAL COST(excluding base stations): \$470.00 1614a	
<input style="width: 400px; height: 30px; border: 1px solid black; background-color: white; color: black; font-weight: bold; font-size: 14px; padding: 5px; margin-bottom: 5px;" type="button" value="Save to ASCII File"/> <input style="width: 100px; height: 30px; border: 1px solid black; background-color: white; color: black; font-weight: bold; font-size: 14px; padding: 5px;" type="button" value="OK"/>	

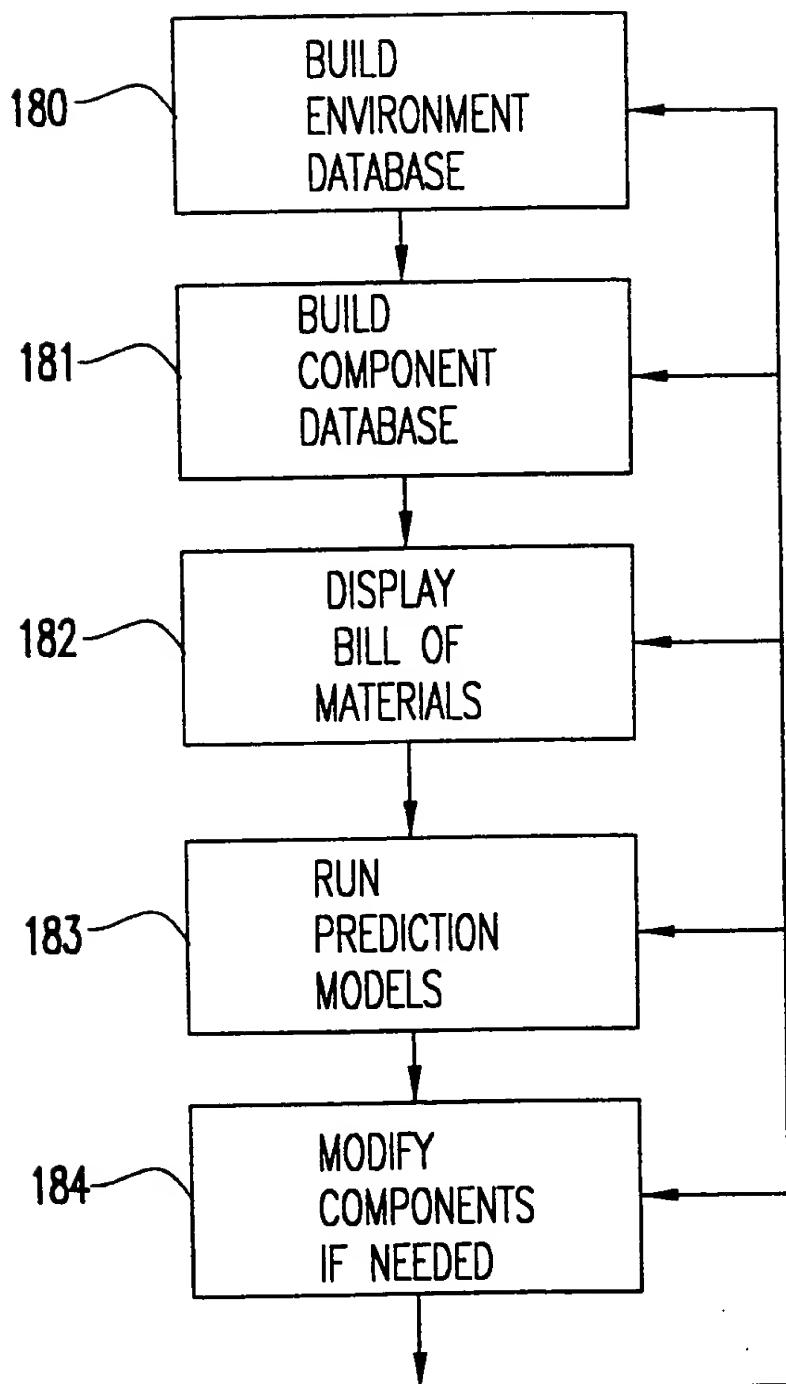


FIG.18

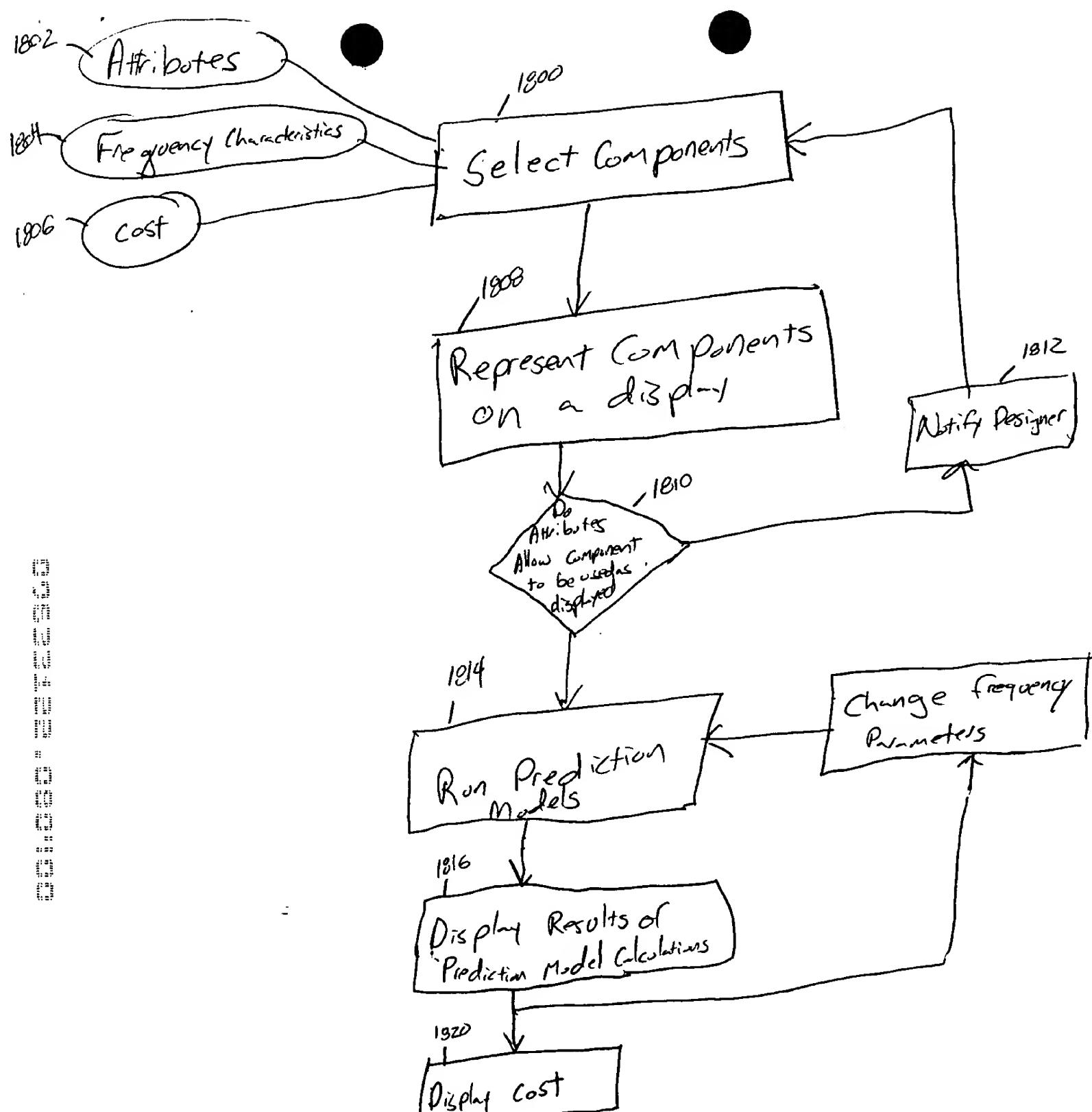
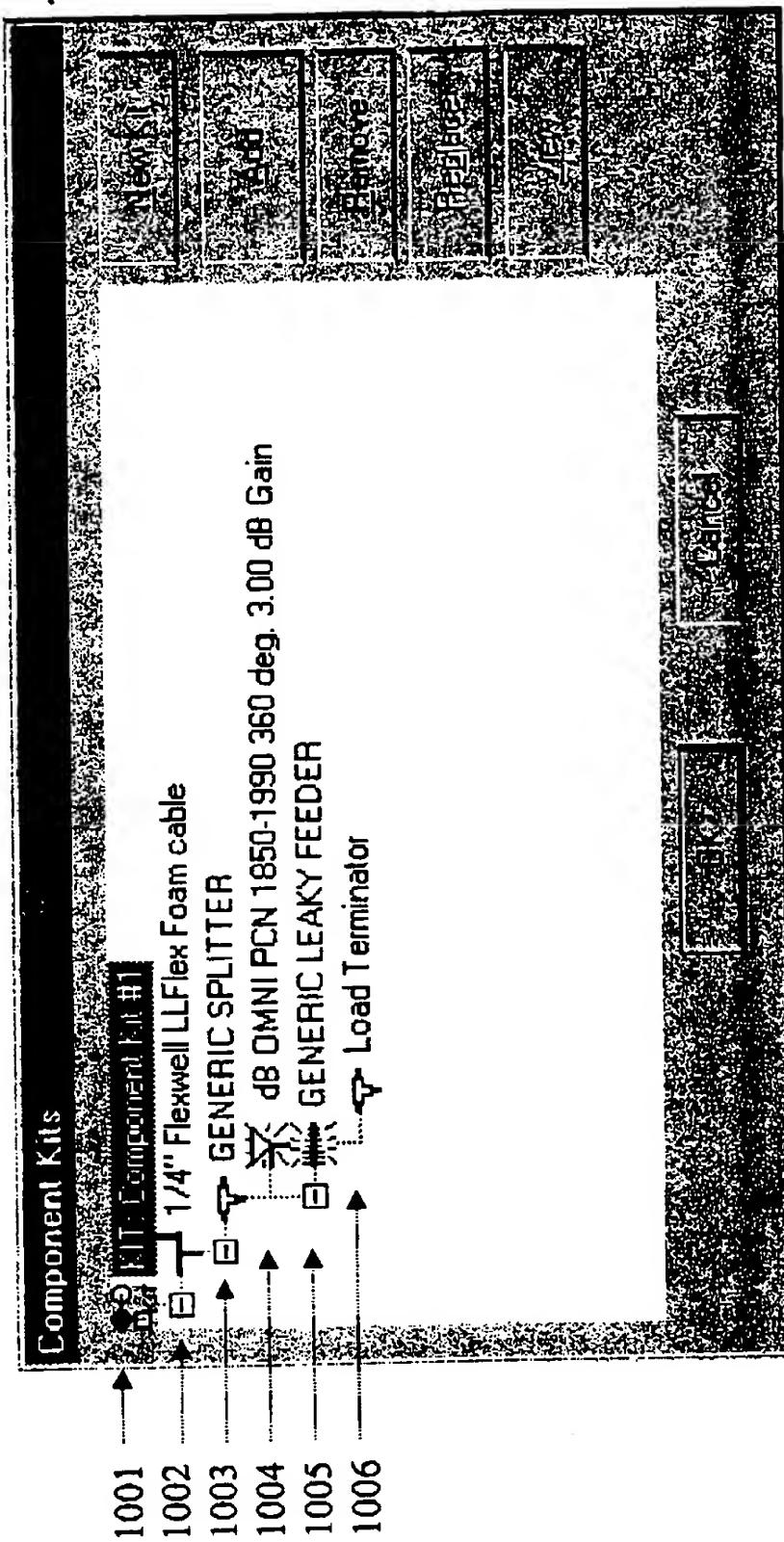


Figure 19



BEST AVAILABLE COPY

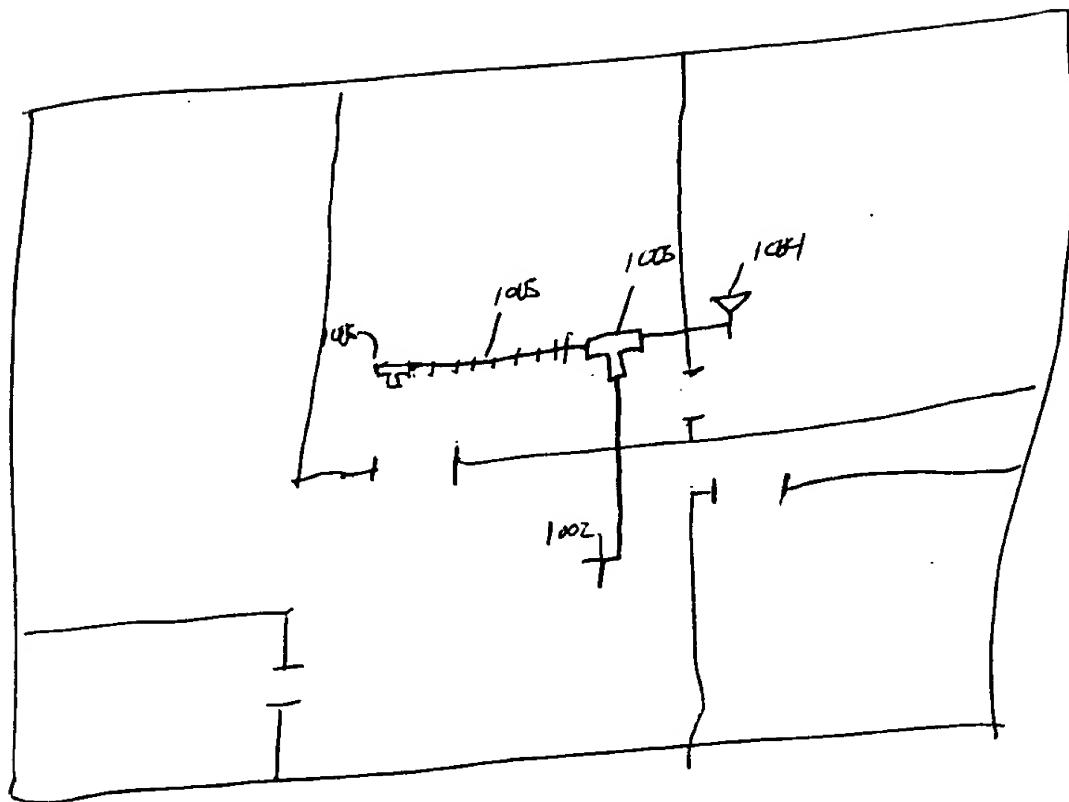


Figure 21